

WHAT IS CLAIMED IS:

1. A transportation system comprising:

mandatory terminals of a plurality of transportation vehicles which directly transport an object to be transported from a business connection to a delivery destination for periodically transmitting current location information of their own to an order receiving server through a line to receive delivery information including a location of a business connection in charge of an object to be transported and a location of a delivery destination from said order receiving server through said line,

a plurality of ordering terminals for placing an order for transportation of an object to be transported which transmit order information including a location of a business connection in charge of said object to be transported and a location of a delivery destination to the order receiving server through said line, and

an order receiving order for receiving an order for transportation of said object to be transported which transmits, for each said order information, said delivery information to specific said transportation vehicle closest to a location of a business connection in charge of said object to be transported among said transportation vehicles.

2. The transportation system as set forth in claim 1,
wherein

 said mandatory terminal of the transportation
vehicle includes:

5 transmission means for periodically transmitting
current location information of its own to the order
receiving server through the line, and

 means for receiving delivery information
including a location of a business connection in charge
10 of said object to be transported and a location of a
delivery destination from said order receiving server
through said line, and

 said order receiving server includes:

 means for receiving said current location
15 information of one's own from each said mandatory
terminal of said plurality of transportation vehicles
through said line to specify each current location
information of said plurality of transportation vehicles,

 means for receiving said order information from
20 each of said plurality of ordering terminals through
said line to specify each location of a business
connection in charge of said object to be transported
and each location of a delivery destination,

 means for specifying a transportation vehicle
25 having the current location information of a
transportation vehicle closest to each location of a
business connection in charge of said object to be

00247860
00247860
00247860
00247860
00247860
00247860

transported among respective current location
information of said plurality of transportation vehicles
30 as a mandated transportation vehicle, and

means for transmitting said delivery information
to each mandatory terminal of the transportation vehicle
specified as said mandated transportation vehicle
through said line.

35 3. The transportation system as set forth in claim 2,
wherein

said mandatory terminal of the transportation
vehicle further includes

5 control means for enabling said transmission
means to transmit said current location information of
one's own only in a desired period.

4. The transportation system as set forth in claim 2,
wherein

each of said plurality of ordering terminals
includes

5 means for transmitting, to said order receiving
server through said line, transportation start
information to the effect that a transportation vehicle
specified by said order receiving server as said
mandatory transportation vehicle will transport said
10 object to be transported from the business connection,
and

TOKYO "THE 860

said order receiving server includes means for receiving said transportation start information through said line.

15

5. The transportation system as set forth in claim 2,
wherein

each mandatory terminal of said plurality of transportation vehicles includes

5 means for transmitting transportation completion information to the effect that the object to be transported of said customer is transported to the delivery destination to said order receiving server through said line, and

10 said order receiving server includes means for receiving said transportation completion information through said line.

6. The transportation system as set forth in claim 2,
wherein

each of said plurality of ordering terminals includes:

5 means for transmitting, to said order receiving server through said line, transportation start information to the effect that a transportation vehicle specified by said order receiving server as said mandatory transportation vehicle will transport said object to be transported from a business connection, and

means for transmitting transportation completion information to the effect that said object to be transported is transported to the delivery destination to said order receiving server through said line, and

15 said order receiving server includes:

means for receiving said transportation start information through said line, and

means for receiving said transportation completion information through said line.

20

7. The transportation system as set forth in claim 2,
wherein

each mandatory terminal of said plurality of transportation vehicles includes

5

means for transmitting transportation completion information to the effect that said object to be transported is transported to the delivery destination to said order receiving server through said line,

10

said order receiving server includes means for receiving said transportation completion information through said line.

each of said order information and said delivery information further includes an electronic mail address of said customer.

15

said order receiving server includes means for receiving said order information from each of said plurality of ordering terminals through said line to

specify an electronic mail address of said customer, and
each mandatory terminal of said plurality of
20 transportation vehicles includes means for transmitting
said transportation completion information to said order
receiving server through said line, as well as
transmitting said transportation completion information
to a terminal of said customer by means of an electronic
25 mail through said line.

8. The transportation system as set forth in claim 2,
wherein

each of said plurality of ordering terminals
includes:

5 means for transmitting, to said order receiving
server through said line, transportation start
information to the effect that a transportation vehicle
specified by said order receiving server as said
mandatory transportation vehicle will transport said
10 object to be transported of said customer from the
business connection, and

means for transmitting transportation completion
information to the effect that said object to be
transported is transported to the delivery destination
15 to said order receiving server through said line,

said order receiving server includes:

means for receiving said transportation start
information through said line, and

means for receiving said transportation
20 completion information through said line,

each of said order information and said delivery
information further includes an electronic mail address
of said customer,

25 said order receiving server further includes
means for receiving said order information from each of
said plurality of ordering terminals through said line
to specify an electronic mail address of said customer,
and

30 each mandatory terminal of said plurality of
transportation vehicles includes means for transmitting
said transportation completion information to said order
receiving server through said line, as well as
transmitting said transportation completion information
to a terminal of said customer by means of an electronic
35 mail through said line.

9. The transportation system as set forth in claim 1,
wherein

5 said plurality of transportation vehicles are
transportation vehicles of a plurality of transportation
companies.

10. The transportation system as set forth in claim 1,
wherein

at least one of said plurality of transportation

5 vehicles is a vehicle mainly for carrying a customer
from a boarding place to an alighting place.

11. The transportation system as set forth in claim 1,
wherein

5 a location of a business connection in charge of
an object to be transported of said customer and/or a
location of a delivery destination are in a store with
round-the-clock operation.

12. A mandatory terminal of a transportation vehicle
for directly transporting an object to be transported
from a business connection to a delivery destination,
comprising:

5 transmission means for periodically transmitting
current location information of its own to an order
receiving server through a line,

control means for enabling said transmission
means to transmit said current location information of
10 its own only in a desired period, and

means for receiving delivery information
including a location of a business connection in charge
of an object to be transported and a location of a
delivery destination from said order receiving server
15 through said line.

13. The mandatory terminal of a transportation

vehicle as set forth in claim 12, further comprising
means for transmitting, to said order receiving
server through said line, transportation start
5 information to the effect that a transportation vehicle
specified by said order receiving server as said
mandatory transportation vehicle will transport said
object to be transported from the business connection.

14. The mandatory terminal of a transportation
vehicle as set forth in claim 12, further comprising
means for transmitting transportation completion
information to the effect that the object to be
5 transported of said customer is transported to the
delivery destination to said order receiving server
through said line.

15. The mandatory terminal of a transportation
vehicle as set forth in claim 12, further comprising:
means for transmitting, to said order receiving
server through said line, transportation start
5 information to the effect that a transportation vehicle
specified by said order receiving server as said
mandatory transportation vehicle will transport said
object to be transported from the business connection,
and
10 means for transmitting transportation completion
information to the effect that said object to be

transported is transported to the delivery destination to said order receiving server through said line.

16. An order receiving server for receiving an order for transportation of an object to be transported, comprising:

means for receiving current location information

5 of one's own from each mandatory terminal of a plurality of transportation vehicles through the line to specify each current location information of said plurality of transportation vehicles,

means for receiving order information including a
10 location of a business connection in charge of a
customer's object to be transported and a location of a
delivery destination from a plurality of ordering
terminals through said line to specify a location of the
business connection in charge of the object to be
15 transported of said customer and a location of the
delivery destination.

means for specifying each transportation vehicle having current location information of a transportation vehicle closest to a location of the business connection in charge of the object to be transported of said customer among current location information of said plurality of transportation vehicles as a mandatory transportation vehicle, and

means for transmitting delivery information

25 including a location of the business connection in
charge of the object to be transported of said customer
and a location of the delivery destination to each
mandatory terminal of the transportation vehicle
specified as said mandatory transportation vehicle
30 through said line.

17. The order receiving server for receiving an order
for transportation of an object to be transported as set
forth in claim 16, further comprising

5 means for receiving, through said line, said
transportation start information sent from a
transportation vehicle specified as said mandatory
transportation vehicle to the effect that the
transportation vehicle will transport the object to be
transported from the business connection.

10

18. The order receiving server for receiving an order
for transportation of an object to be transported as set
forth in claim 16, further comprising

5 means for receiving, through said line,
transportation completion information sent from a
transportation vehicle specified as said mandatory
transportation vehicle to the effect that the object to
be transported is transported to the delivery
destination.

10

19. The order receiving server for receiving an order for transportation of an object to be transported as set forth in claim 16, further comprising:

means for receiving, through said line, said transportation start information sent from a transportation vehicle specified as said mandatory transportation vehicle to the effect that the transportation vehicle will transport the object to be transported from the business connection, and

means for receiving, through said line, transportation completion information sent from a transportation vehicle specified as said mandatory transportation vehicle to the effect that the object to be transported is transported to the delivery

destination.

20. A transportation method using a communication line, comprising the steps of:

a first step of periodically transmitting each current location information of one's own from each mandatory terminal of a plurality of transportation vehicles for directly transporting an object to be transported from a business connection to a delivery destination to an order receiving server through a line only in a desired period,

a second step of receiving said current location information of one's own at said order receiving server

from each mandatory terminal of said plurality of transportation vehicles through said line to specify each current location information of said plurality of
15 transportation vehicles,

a third step of transmitting order information including a location of a business connection in charge of a customer's object to be transported and a location of a delivery destination from an ordering terminal for
20 placing an order for transportation of a customer's object to be transported to said order receiving server through said line,

a fourth step of receiving the order information including a location of a business connection in charge
25 of an object to be transported of said customer and a location of a delivery destination at said order receiving server from said ordering terminal through said line to specify a location of the business connection in charge of the object to be transported of
30 said customer and a location of the delivery destination,

a fifth step of specifying a transportation vehicle having current location information of a transportation vehicle closest to the location of the business connection in charge of the object to be transported of said customer among current location information of said plurality of transportation vehicles as a mandatory transportation vehicle, and
35

a sixth step of transmitting and receiving

40 delivery information including a location of a business connection in charge of a customer's object to be transported and a location of a delivery destination from/at said order receiving sever to/from the mandatory terminal of a transportation vehicle specified as said mandatory transportation vehicle through said line.

45
21. The transportation method using a communication line as set forth in claim 20, further comprising:

5 information to the effect that the transportation
vehicle specified by said order receiving server as said
mandatory transportation vehicle will transport the
object to be transported of said customer from the
business connection from/at said ordering terminal
10 to/from said order receiving server through said line.

22. The transportation method using a communication line as set forth in claim 20, further comprising:
after said sixth step, an eighth step of transmitting and receiving transportation completion information to the effect that the object to be transported of said customer is transported to the delivery destination from/at the mandatory terminal of the transportation vehicle specified by said order receiving server as said mandatory transportation

10 vehicle to/from said order receiving server through said
line.

23. The transportation method using a communication
line as set forth in claim 20, further comprising:

 after said sixth step, a seventh step of
transmitting and receiving transportation start
5 information to the effect that the transportation
vehicle specified by said order receiving server as said
mandatory transportation vehicle will transport the
object to be transported of said customer from the
business connection from/at the ordering terminal

10 to/from said order receiving server through said line,
and

 after said sixth step, an eighth step of
transmitting and receiving transportation completion
information to the effect that the object to be
15 transported of said customer is transported to the
delivery destination from/at the mandatory terminal of
the transportation vehicle specified by said order
receiving server as said mandatory transportation
vehicle to/from said order receiving server through said
20 line.

24. The transportation method using a communication
line as set forth in claim 20, further comprising:

 after said sixth step, an eighth step of

transmitting and receiving transportation completion
5 information to the effect that the object to be
transported of said customer is transported to the
delivery destination from/at the mandatory terminal of
the transportation vehicle specified by said order
receiving server as said mandatory transportation
10 vehicle to/from said order receiving server through said
line, wherein

each of said order information and said delivery
information further includes information of an
electronic mail address of said customer, and which
15 further comprises:

after said third step and before said sixth step,
a step of receiving said order information at said order
receiving server from said ordering terminal through
said line to specify an electronic mail address of said
20 customer, and

a step of transmitting and receiving said
transportation completion information from/at the
mandatory terminal of the transportation vehicle
specified by said order receiving server as said
25 mandatory transportation vehicle to/from a terminal of
said customer by an electronic mail through said line,
as well as executing said eighth step.

25. The transportation method using a communication
line as set forth in claim 20, further comprising:

after said sixth step, a seventh step of
transmitting and receiving transportation start
5 information to the effect that the transportation
vehicle specified by said order receiving server as said
mandatory transportation vehicle will transport the
object to be transported of said customer from the
business connection from/at said ordering terminal
10 to/from said order receiving server through said line,
after said sixth step, an eighth step of
transmitting and receiving transportation completion
information to the effect that the object to be
transported of said customer is transported to the
15 delivery destination from/at the mandatory terminal of
the transportation vehicle specified by said order
receiving server as said mandatory transportation
vehicle to/from said order receiving server through said
line, wherein
20 each of said order information and said delivery
information further includes information of an
electronic mail address of said customer, and which
further comprises:
after said third step and before said sixth step,
25 a step of receiving said order information at said order
receiving server from said ordering terminal through
said line to specify an electronic mail address of said
customer, and
a step of transmitting and receiving said

30 transportation completion information from/at the
mandatory terminal of the transportation vehicle
specified by said order receiving server as said
mandatory transportation vehicle to/from a terminal of
said customer by an electronic mail through said line,
35 as well as executing said eighth step.

26. The transportation method using a communication
line as set forth in claim 20, wherein
said plurality of transportation vehicles are
transportation vehicles of a plurality of transportation
5 companies.

27. The transportation method using a communication
line as set forth in claim 20, wherein
at least one of said plurality of transportation
vehicles is a vehicle mainly for carrying a customer
5 from a boarding place to an alighting place.

28. The transportation method using a communication
line as set forth in claim 20, wherein
a location of a business connection in charge of
an object to be transported of said customer and/or a
5 location of a delivery destination are in a store with
round-the-clock operation.